

ABSTRACT

A method of reinserting Vertical Blanking Interval (VBI) data in a digital video signal includes creating a gray scale palette in a an On Screen Display (OSD) memory; sizing a VBI area in an OSD memory; locating a VBI area in an OSD memory; generating a VBI luma waveform bitmap; and overlaying the VBI luma waveform bitmap in a DVB video bit stream according to the gray scale palette, size and location data stored in the OSD memory.